

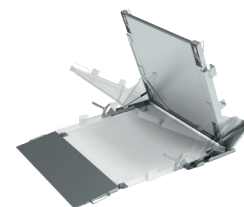
# Stainless Steel HX7.4N.H.LD Ramp Scale

Measurements of large loads in moist environment

System allowing lifting the platform up, useful for maintenance purposes



HX7.4N.150.H1.LD












The system does not require physical exertion



Bar graph is a graphic visualisation of current mass

## Functions

-  Parts counting
-  Percent weighing
-  Alibi memory
-  Databases
-  Formulations
-  Dosing
-  In-built battery
-  Replaceable units
-  Multilingual menu

## Features

### Platform Lifting

HX7.4N.H.LD scale is equipped with mechanism that enables safe platform lifting and does not require physical exertion or additional equipment. Upon platform lowering, the scale is ready to carry out measurement. There is no need for readjustment.

### Precise Weighing Indications in Challenging Industrial Conditions

Mass measurement carried out using 4 load cells guarantees weighing accuracy regardless positioning of the load on the platform. The scale ensures precise and fast mass measurement in challenging industrial conditions.

### Robustness and Resistance to Ambient Conditions

Robust platform made of stainless steel allows to operate large loads in moist environment and at direct contact with water (e.g. meat and fish industry).

### Versatility of Use

Ramps enable easy loading and unloading of large loads carried onto the weighing pan using trolleys.

### Compatibility with PUE HX7 indicator

The scale can be operated via advanced PUE HX7 terminal with a hermetic stainless steel housing. The terminal features 7" colour graphic LCD and a membrane keyboard.

### Uninterrupted Operation due to an Internal battery

Integrated battery of the weighing indicator enable several hours long mobile operation.

### Ergonomics and Comfort of Operation

With use of a long cable it is possible to locate the indicator in a place facilitating convenient operation. An additional accessory enables placing it on a stand or mounting to the wall.

### Customizable Instrument

Numerous variants of weighing pan dimensions and broad range of maximum capacities enable selecting the best weighing instrument suiting specific requirements and needs.

## Technical Specifications

	HX7.4N.150.H1.LD	HX7.4N.300.H1.LD	HX7.4N.600.H1.LD*
<b>Maximum capacity [Max]</b>	150 kg	300 kg	600 kg
<b>Minimum capacity</b>	1 kg	2 kg	4 kg
<b>Readability [d]</b>	50 g	100 g	200 g
<b>Max readability for non-verified scale</b>	20 g	20 g	50 g
<b>Verification unit [e]</b>	50 g	100 g	200 g
<b>Tare range</b>	-150 kg	-300 kg	-600 kg
<b>Verification</b>	Yes	Yes	Yes
<b>OIML class</b>	III	III	III
<b>Max number of platforms</b>	2	2	2
<b>Platform material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Weighing pan material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Indicator fastening</b>	3 m cable	3 m cable	3 m cable
<b>Display</b>	7" graphic display	7" graphic display	7" graphic display
<b>Keyboard</b>	membrane, 22-key	membrane, 22-key	membrane, 22-key
<b>Indicator type</b>	PUE HX7	PUE HX7	PUE HX7
<b>Ingress protection - platform</b>	IP 68	IP 68	IP 68
<b>Ingress protection - indicator</b>	IP 66/68	IP 66/68	IP 66/68
<b>RS232</b>	1	1	1
<b>USB</b>	1	1	1
<b>Ethernet</b>	10 / 100 Mbit	10 / 100 Mbit	10 / 100 Mbit
<b>IN / OUT</b>	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT
<b>RS232 **</b>	1	1	1
<b>RS485 **</b>	1	1	1
<b>USB **</b>	1	1	1
<b>IN / OUT **</b>	12 × IN, 12 × OUT	12 × IN, 12 × OUT	12 × IN, 12 × OUT
<b>AN module **</b>	1x 4-20mA, 20-1V	1x 4-20mA, 20-2V	1x 4-20mA, 50-4V
<b>Power supply</b>	100 ÷ 240 V AC 50 ÷ 60 Hz	100 ÷ 240 V AC 50 ÷ 60 Hz	100 ÷ 240 V AC 50 ÷ 60 Hz
<b>Optional power supply **</b>	12-24 V DC	12-24 V DC	12-24 V DC
<b>Max Power consumption</b>	25 W	25 W	25 W
<b>Operating temperature</b>	-10 ÷ +40 °C	-10 ÷ +40 °C	-10 ÷ +40 °C
<b>Relative humidity ***</b>	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
<b>Transport and storage temperature</b>	-10 ÷ +50 °C	-10 ÷ +50 °C	-10 ÷ +50 °C
<b>Weighing pan dimensions</b>	840 × 860 mm	840 × 860 mm	840 × 860 mm
<b>Net weight ****</b>	149.7 kg	149.7 kg	149.7 kg
<b>Gross weight ****</b>	190.5 kg	190.5 kg	190.5 kg
<b>Packaging dimensions</b>	150 × 130 × 72 cm	150 × 130 × 72 cm	150 × 130 × 72 cm

\* possibility to make the device a dual range weighing model

\*\* optional design

\*\*\* non-condensing conditions

\*\*\*\* mass of the packaging containing the PUE HX7 indicator and the platform

	HX7.4N.150.H2.LD	HX7.4N.300.H2.LD	HX7.4N.600.H2.LD*
<b>Maximum capacity [Max]</b>	150 kg	300 kg	600 kg
<b>Minimum capacity</b>	1 kg	2 kg	4 kg
<b>Readability [d]</b>	50 g	100 g	200 g
<b>Max readability for non-verified scale</b>	20 g	20 g	50 g
<b>Verification unit [e]</b>	50 g	100 g	200 g
<b>Tare range</b>	-150 kg	-300 kg	-600 kg
<b>Verification</b>	Yes	Yes	Yes
<b>OIML class</b>	III	III	III
<b>Max number of platforms</b>	2	2	2
<b>Platform material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Weighing pan material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Indicator fastening</b>	3 m cable	3 m cable	3 m cable
<b>Display</b>	7" graphic display	7" graphic display	7" graphic display
<b>Keyboard</b>	membrane, 22-key	membrane, 22-key	membrane, 22-key
<b>Indicator type</b>	PUE HX7	PUE HX7	PUE HX7
<b>Ingress protection - platform</b>	IP 68	IP 68	IP 68
<b>Ingress protection - indicator</b>	IP 66/68	IP 66/68	IP 66/68
<b>RS232</b>	1	1	1
<b>USB</b>	1	1	1
<b>Ethernet</b>	10 / 100 Mbit	10 / 100 Mbit	10 / 100 Mbit
<b>IN / OUT</b>	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT
<b>RS232 **</b>	1	1	1
<b>RS485 **</b>	1	1	1
<b>USB **</b>	1	1	1
<b>IN / OUT **</b>	12 × IN, 12 × OUT	12 × IN, 12 × OUT	12 × IN, 12 × OUT
<b>AN module **</b>	1x 4-20mA, 20-1V	1x 4-20mA, 20-2V	1x 4-20mA, 50-4V
<b>Power supply</b>	100 ÷ 240 V AC 50 ÷ 60 Hz	100 ÷ 240 V AC 50 ÷ 60 Hz	100 ÷ 240 V AC 50 ÷ 60 Hz
<b>Optional power supply **</b>	12-24 V DC	12-24 V DC	12-24 V DC
<b>Max Power consumption</b>	25 W	25 W	25 W
<b>Operating temperature</b>	-10 ÷ +40 °C	-10 ÷ +40 °C	-10 ÷ +40 °C
<b>Relative humidity ***</b>	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
<b>Transport and storage temperature</b>	-10 ÷ +50 °C	-10 ÷ +50 °C	-10 ÷ +50 °C
<b>Weighing pan dimensions</b>	1100 × 1200 mm	1100 × 1200 mm	1100 × 1200 mm
<b>Net weight ****</b>	149.7 kg	149.7 kg	149.7 kg
<b>Gross weight ****</b>	190.5 kg	190.5 kg	190.5 kg
<b>Packaging dimensions</b>	150 × 130 × 72 cm	150 × 130 × 72 cm	150 × 130 × 72 cm

\* possibility to make the device a dual range weighing model

\*\* optional design

\*\*\* non-condensing conditions

\*\*\*\* mass of the packaging containing the PUE HX7 indicator and the platform

	HX7.4N.1500.H2.LD*	HX7.4N.300.H3.LD	HX7.4N.600.H3.LD*
<b>Maximum capacity [Max]</b>	1500 kg	300 kg	600 kg
<b>Minimum capacity</b>	10 kg	2 kg	4 kg
<b>Readability [d]</b>	500 g	100 g	200 g
<b>Max readability for non-verified scale</b>	100 g	50 g	50 g
<b>Verification unit [e]</b>	500 g	100 g	200 g
<b>Tare range</b>	-1500 kg	-300 kg	-600 kg
<b>Verification</b>	Yes	Yes	Yes
<b>OIML class</b>	III	III	III
<b>Max number of platforms</b>	2	2	2
<b>Platform material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Weighing pan material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Indicator fastening</b>	3 m cable	3 m cable	3 m cable
<b>Display</b>	7" graphic display	7" graphic display	7" graphic display
<b>Keyboard</b>	membrane, 22-key	membrane, 22-key	membrane, 22-key
<b>Indicator type</b>	PUE HX7	PUE HX7	PUE HX7
<b>Ingress protection - platform</b>	IP 68	IP 68	IP 68
<b>Ingress protection - indicator</b>	IP 66/68	IP 66/68	IP 66/68
<b>RS232</b>	1	1	1
<b>USB</b>	1	1	1
<b>Ethernet</b>	10 / 100 Mbit	10 / 100 Mbit	10 / 100 Mbit
<b>IN / OUT</b>	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT
<b>RS232 **</b>	1	1	1
<b>RS485 **</b>	1	1	1
<b>USB **</b>	1	1	1
<b>IN / OUT **</b>	12 × IN, 12 × OUT	12 × IN, 12 × OUT	12 × IN, 12 × OUT
<b>AN module **</b>	1x 4-20mA, 100-10V	1x 4-20mA, 50-2V	1x 4-20mA, 50-4V
<b>Power supply</b>	100 ÷ 240 V AC 50 ÷ 60 Hz	100 ÷ 240 V AC 50 ÷ 60 Hz	100 ÷ 240 V AC 50 ÷ 60 Hz
<b>Optional power supply **</b>	12-24 V DC	12-24 V DC	12-24 V DC
<b>Max Power consumption</b>	25 W	25 W	25 W
<b>Operating temperature</b>	-10 ÷ +40 °C	-10 ÷ +40 °C	-10 ÷ +40 °C
<b>Relative humidity ***</b>	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
<b>Transport and storage temperature</b>	-10 ÷ +50 °C	-10 ÷ +50 °C	-10 ÷ +50 °C
<b>Weighing pan dimensions</b>	1100 × 1200 mm	1200 × 1500 mm	1200 × 1500 mm
<b>Net weight ****</b>	189.7 kg	179.7 kg	179.7 kg
<b>Gross weight ****</b>	230.5 kg	225.5 kg	275.5 kg
<b>Packaging dimensions</b>	150 × 130 × 72 cm	160 × 160 × 72 cm	160 × 160 × 72 cm

\* possibility to make the device a dual range weighing model

\*\* optional design

\*\*\* non-condensing conditions

\*\*\*\* mass of the packaging containing the PUE HX7 indicator and the platform

	HX7.4N.1500.H3.LD*	HX7.4N.300.H4.LD	HX7.4N.600.H4.LD*
<b>Maximum capacity [Max]</b>	1500 kg	300 kg	600 kg
<b>Minimum capacity</b>	10 kg	2 kg	4 kg
<b>Readability [d]</b>	500 g	100 g	200 g
<b>Max readability for non-verified scale</b>	100 g	50 g	50 g
<b>Verification unit [e]</b>	500 g	100 g	200 g
<b>Tare range</b>	-1500 kg	-300 kg	-600 kg
<b>Verification</b>	Yes	Yes	Yes
<b>OIML class</b>	III	III	III
<b>Max number of platforms</b>	2	2	2
<b>Platform material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Weighing pan material</b>	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
<b>Indicator fastening</b>	3 m cable	3 m cable	3 m cable
<b>Display</b>	7" graphic display	7" graphic display	7" graphic display
<b>Keyboard</b>	membrane, 22-key	membrane, 22-key	membrane, 22-key
<b>Indicator type</b>	PUE HX7	PUE HX7	PUE HX7
<b>Ingress protection - platform</b>	IP 68	IP 68	IP 68
<b>Ingress protection - indicator</b>	IP 66/68	IP 66/68	IP 66/68
<b>RS232</b>	1	1	1
<b>USB</b>	1	1	1
<b>Ethernet</b>	10 / 100 Mbit	10 / 100 Mbit	10 / 100 Mbit
<b>IN / OUT</b>	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT
<b>RS232 **</b>	1	1	1
<b>RS485 **</b>	1	1	1
<b>USB **</b>	1	1	1
<b>IN / OUT **</b>	12 × IN, 12 × OUT	12 × IN, 12 × OUT	12 × IN, 12 × OUT
<b>AN module **</b>	1x 4-20mA, 100-10V	1x 4-20mA, 50-2V	1x 4-20mA, 50-4V
<b>Power supply</b>	100 ÷ 240 V AC 50 ÷ 60 Hz	100 ÷ 240 V AC 50 ÷ 60 Hz	100 ÷ 240 V AC 50 ÷ 60 Hz
<b>Optional power supply **</b>	12-24 V DC	12-24 V DC	12-24 V DC
<b>Max Power consumption</b>	25 W	25 W	25 W
<b>Operating temperature</b>	-10 ÷ +40 °C	-10 ÷ +40 °C	-10 ÷ +40 °C
<b>Relative humidity ***</b>	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
<b>Transport and storage temperature</b>	-10 ÷ +50 °C	-10 ÷ +50 °C	-10 ÷ +50 °C
<b>Weighing pan dimensions</b>	1200 × 1500 mm	1500 × 1500 mm	1500 × 1500 mm
<b>Net weight ****</b>	229.7 kg	269.7 kg	269.7 kg
<b>Gross weight ****</b>	275.5 kg	315.5 kg	315.5 kg
<b>Packaging dimensions</b>	160 × 160 × 72 cm	190 × 160 × 72 cm	190 × 160 × 72 cm

\* possibility to make the device a dual range weighing model

\*\* optional design

\*\*\* non-condensing conditions

\*\*\*\* mass of the packaging containing the PUE HX7 indicator and the platform

**HX7.4N.1500.H4.LD\***

<b>Maximum capacity [Max]</b>	1500 kg
<b>Minimum capacity</b>	10 kg
<b>Readability [d]</b>	500 g
<b>Max readability for non-verified scale</b>	100 g
<b>Verification unit [e]</b>	500 g
<b>Tare range</b>	-1500 kg
<b>Verification</b>	Yes
<b>OIML class</b>	III
<b>Max number of platforms</b>	2
<b>Platform material</b>	AISI304 stainless steel
<b>Weighing pan material</b>	AISI304 stainless steel
<b>Indicator fastening</b>	3 m cable
<b>Display</b>	7" graphic display
<b>Keyboard</b>	membrane, 22-key
<b>Indicator type</b>	PUE HX7
<b>Ingress protection - platform</b>	IP 68
<b>Ingress protection - indicator</b>	IP 66/68
<b>RS232</b>	1
<b>USB</b>	1
<b>Ethernet</b>	10 / 100 Mbit
<b>IN / OUT</b>	4 × IN, 4 × OUT
<b>RS232 **</b>	1
<b>RS485 **</b>	1
<b>USB **</b>	1
<b>IN / OUT **</b>	12 × IN, 12 × OUT
<b>AN module **</b>	1x 4-20mA, 100-10V
<b>Power supply</b>	100 ÷ 240 V AC 50 ÷ 60 Hz
<b>Optional power supply **</b>	12-24 V DC
<b>Max Power consumption</b>	25 W
<b>Operating temperature</b>	-10 ÷ +40 °C
<b>Relative humidity ***</b>	10 ÷ 85%
<b>Transport and storage temperature</b>	-10 ÷ +50 °C
<b>Weighing pan dimensions</b>	1500 × 1500 mm
<b>Net weight ****</b>	269.7 kg
<b>Gross weight ****</b>	315.5 kg
<b>Packaging dimensions</b>	190 × 160 × 72 cm

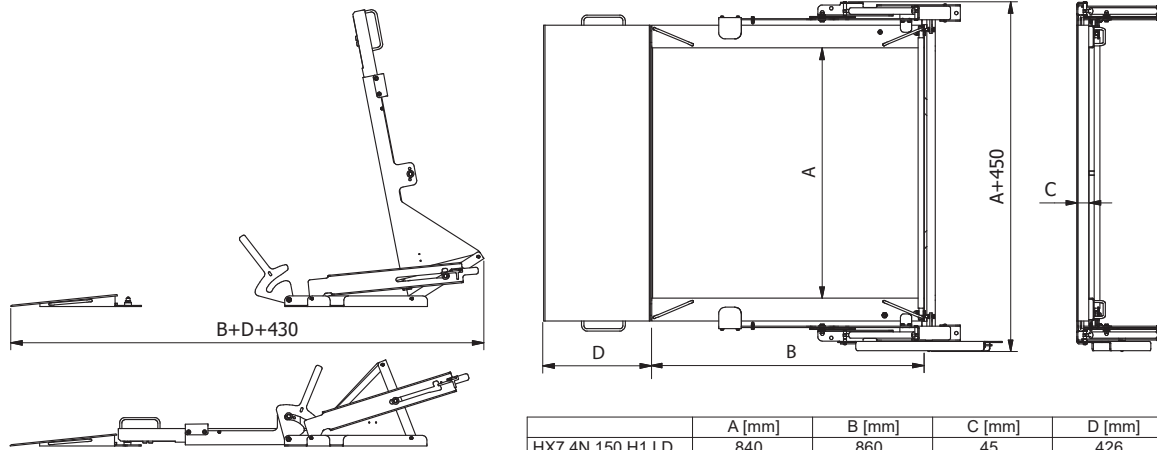
\* possibility to make the device a dual range weighing model

\*\* optional design

\*\*\* non-condensing conditions

\*\*\*\* mass of the packaging containing the PUE HX7 indicator and the platform

## Dimensions



	A [mm]	B [mm]	C [mm]	D [mm]
HX7.4N.150.H1.LD	840	860	45	426
HX7.4N.300.H1.LD	840	860	45	426
HX7.4N.600.H1.LD	840	860	45	426
HX7.4N.300.H2.LD	1100	1200	45	426
HX7.4N.600.H2.LD	1100	1200	45	426
HX7.4N.300.H3.LD	1200	1500	45	426
HX7.4N.600.H3.LD	1200	1500	45	426
HX7.4N.1500.H2.LD	1100	1200	52	476
HX7.4N.1500.H3.LD	1200	1500	52	476
HX7.4N.300.H4.LD	1500	1500	52	476
HX7.4N.600.H4.LD	1500	1500	52	476
HX7.4N.1500.H4.LD	1500	1500	52	476

## Accessories

### Peripheral Devices

- Epson dot matrix printer
- Zebra labellers
- WWG-2/4 large-size display
- LCD – WD-4/3 display (backlit)
- stack light
- control buttons
- transponder card scanner
- barcode scanner

### Cables, Converters

- PT0019 2m cable (5, 10m optionally) – for Citizen and Epson printers
- PT0022 2m cable (5, 10m optionally) – for ZEBRA printers (later models)
- PT0232 2m cable (5, 10m optionally) – for ZEBRA (older models), INTERMEC and ELTRON printers
- PT0020 2m cable (5, 10m optionally) – for computer
- PT0087 cable (M12 4P) 1.7m – for USB printer
- PT0238 1.7m cable – for printer (A-B)
- PT0084 (M12 4P) 1.7m cable – for USB adapter
- PT0383 2m cable (5, 10m optionally) – for RS485
- PT0256 2m cable (5, 10m optionally) – for IN/OUT

## Dedicated Software

### R-LAB

- collecting measurements
- carrying out statistical analysis of measurements
- customized graphs and reports

### Label Editor R02

- designing label templates
- sending graphics and fonts to label printers
- printing label templates using connected printers

### E2R Weighing Records

- complete, automated databases synchronization
- fully supported processes of labelling and parts counting
- record of weighings, weighings archiving
- basic and advanced (with graphs) reports

### RAD KEY

- Establishing cooperation between a weighing instrument and a computer

### LabView Driver

- operation of RADWAG balances in LabView environment

### R.Barcode

- The basic function software is presentation of the data sent by barcode scanners connected to PC via USB or RS232

### Radwag Development Studio

- presentation of functions (and subfunctions) of communication protocol (Common Communication Protocol)
- possibility of connection with weighing equipment on which each function is carried out,
- library with mass control, contained within the development environment
- complete documentation of the communication protocol
- set of user manuals for different solutions addressed for programmers employed in companies using RADWAG-manufactured weighing equipment

### RADWAG Connect

- establishing communication with all balances, scales and weighing modules using Common Communication Protocol
- communication via local network,
- support of basic functions
- auto searching for devices
- connecting with few devices simultaneously, swapping between them
- clear list of connected platforms
- record of measurements in the program,
- export of carried out measurements to CSV file,
- work performed using freely selected device with Windows 10